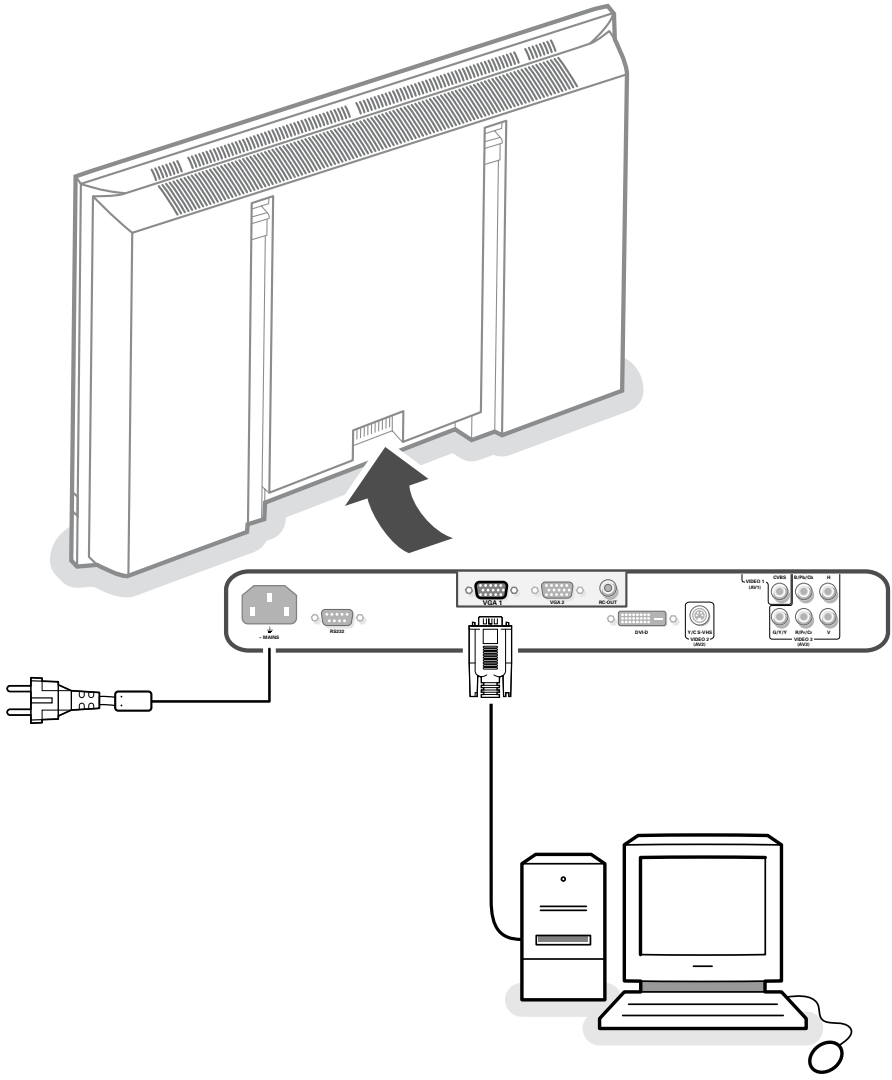

VGA 1
VGA 2
RS232
DVI-D
CVBS
R/Pr/Cb
H
G/Y/Y
B/Pb/Cb
V

Your International Philips First Choice Warranty

English - GB

Just a phone call away
Philips' customer help desks are located worldwide. You can contact Philips Monday – Friday from 08.00 – 20.00 hrs Central European Time (CET) and on Saturdays and Sundays from 10.00 to 18.00 hrs CET.

Deutsch - DE-CH-BE

Nur einen Anruf entfernt
Philips verfügt über Hilfstellen für den Kunden in der ganzen Welt. Sie können Philips anrufen Montags bis Freitags von 8 Uhr bis 20 Uhr zentraleuropäischer Zeit (CET) und Sonnabends und Sontags zwischen 10 Uhr und 18 Uhr (CET).

Français - FR-BE-CH-LU

Juste un coup de telephone
Les services de consommateurs Philips sont situés partout dans le monde. Vous pouvez contacter Philips, du lundi au vendredi de 8 heures à 20 heures et le samedi et le dimanche de 10 heures à 18 heures en utilisant les numéros vert ci-dessous.

Nederlands - BE-NL

Een telefoontje is voldoende
De Philips service desk is bereikbaar van over de gehele wereld. U kunt contact opnemen met Philips van maandag t/m vrijdag van 8.00 – 20.00 u (Mid-europese tijd) en op zaterdag en zondag van 10.00 tot 18.00 uur door een van de onderstaande telefoonnummers te bellen.

Italiano - IT-CH

Basta una telefonata
I centri di assistenza clienti della Philips sono dislocati in tutto il mundo. E possibile chiamare uno dei numeri verdi dal lunedi a venerdi, dalla 8:00 alle 20:00, orario centrale europeo (CET).

Español - ES

Con solo una llamada
Existen oficinas de atención al cliente de Philips en todo el mondo. Puedes ponerte en contacto con Philips de lunes a viernes, de 08.00 a 20.00 horas y los sábados y domingos de 10.00 a 18.00.

Português - PT

Basta um único telefonerna
A Philips tem balcoes de assistencia aos cleintes em todo o mondo. Pode contactar com a Philips de segunda a sexta-feira, entre as 08.00 e as 20.00 hrs hora da Europa Central (CET) e aos sábados e domingos, entre as 10.00 e as 18.00 hrs CET.

Dansk - DK

Philips' kundeservice er fordelt over hele verden.
Philips kan kontaktes Mandag – Fredag fra 08.00 – 20.00 centraleuropæsk tid (CET) samt lørdag og søndag fra 10.00 – 18.00 CET.

Norsk - NO

Ikke lenger unna enn en rask telefon
Philips' kundestøttejenester finner du over hele verden. Du kan ta kontakt med Philips fra mandag til fredag kl.9-21 og på lørdag og søndag kl.11-19.

Svenska - SE

Bara ett telefonsamtal borta
Philips kundservice finns i hela världen. Du kan kontakta Philips måndag-fredag från 08.00 – 20.00 Central Eurpeisk Tid (CET) och på lördagar och söndagar från 10.00 till 18.00 CET.

Suomi - FI

Philipsin asiakaspalvelupisteitä löytyy joka puolelta maaiimaa.
Voit ottaa yhteyttä Philipsiin maanantalsta perjantaihin klo 8.00 – 20.00 Keski-Euroopan (CET) sekä lauantaisin ja sunnuntaisin klo 10.00 – 18.00 Keski-Euroopan (CET).

Greek - GR

Το γραφείο βοηθείας της Philips (Philips Helpdesk) είναι διεθνές.
Μπορείτε να επικοινωνήσετε από Δευτέρα έως και Παρασκευή από τις 08:00 - 20:00 ώρα κεντρικής Ευρώπης (C.E.T.) καθώς και το Σαββατοκύριακο από τις 10:00 - 18:00 C.E.T.

Austria	01 546 575 603
Belgium	02 275 0701
France	03 8717 0033
Germany	0696 698 4712
Ireland	01 601 1161
Italy	02 48 27 11 53
Luxembourg	408 443 5501
The Netherlands	053 482 9800
Spain	09 17 45 62 46
Sweden	08 632 0016
Switzerland	02 23 10 21 16
United Kingdom	0207 949 0069

Website: http://www.philips.com/pcstuff

Unpacking and wall mounting instructions

For the unpacking instructions follow the illustrated steps printed on the packaging (outside and inside). For the wall mounting instructions follow the illustrated steps ❹ to ❻ printed on the separate template.

Make sure that the wall mount is being fixed securely enough so that it meets safety standards. The weight of the monitor (excl. packaging) is about 35 kg.

Note: Stands are optional accessories. Consult your dealer.

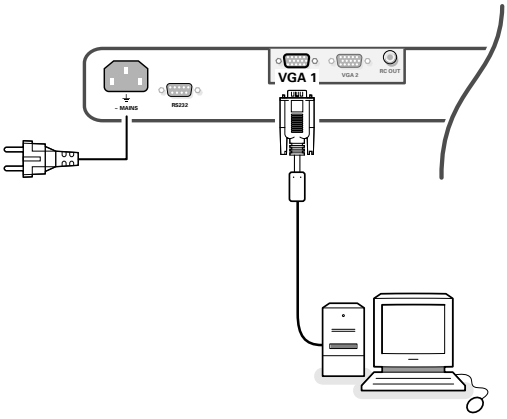
Connect your computer

Directly to the monitor

❶ Connect one end of a VGA cable to the video card of the computer and the other end to the **VGA 1** connector at the rear side of the monitor. Fix the connectors firmly with the screws on the plug.

❷ In case of a multimedia computer, connect the audio cable to the audio outputs of your multimedia computer and to the audio inputs of your external amplifier.

VGA 2: The video connector for VGA 2 can be programmed to become an input or an output via the Setup menu, see p. 6. The function of being input or output is determined by the used mode. If the monitor is used in video mode, the VGA 2 connector is VGA output. If the monitor is used in monitor mode, the connector is VGA input or output.



To an electronic receiver box

See the handbook of the receiver box.

❶ Connect one end of a VGA cable to the video card of the computer and the other end to the **PC/MAC IN** connector at the rear side of the receiver box. Fix the connectors firmly with the screws on the plug.

❷ In case of a Multimedia computer, connect the audio cable to the audio outputs of your Multimedia computer and to the **AUDIO IN R** and **L** inputs of the receiver box. For sound reproduction, connect your external amplifier to the receiver box.

Note: Only use the VGA cable supplied with the monitor.

Daisy chaining

The Loop Through facility makes it possible to make a daisy chain with a second monitor.

Connect one end of another VGA cable to the **VGA 2** connector at the rear side of the monitor and the other end to the **VGA 1** connector of a second monitor.

Note: The RC out jack next to the VGA 2 connector makes it possible to daisy chain remote control signals to other equipment. This output cannot be used to daisy chain a second monitor.

Computer Display modes

VGA	640x480	60, 72, 75, 85 Hz
Wide VGA	848x480	60 Hz
Wide VGA	852x480	60 Hz
MAC	640x480	66.67 Hz
MAC	832x624	74.55 Hz
MAC	1024x768	74.93 Hz
MAC	1152x870	75 Hz
SVGA	800x600	56, 60, 72, 75, 85 Hz
XGA	1024x768	60, 70, 75, 85 Hz
SXGA	1280x1024	60, 72 Hz (not with DVI-D-source)

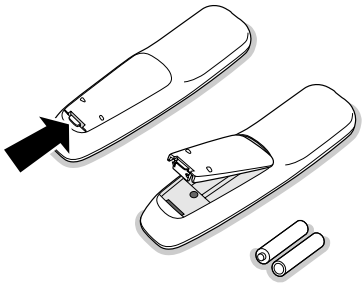
When a VGA computer is connected, the display selection is made automatically.

A message is displayed when the monitor does not support the connected VGA mode. Switch your computer to a correct display mode.

Operation

❶ **Insert the mains plug** supplied into the mains inlet at the back of the monitor and in the wall socket. Please, only use the supplied rim-earthed mains cord which has to be inserted in a grounded socket.

❷ Remote control: remove the cover of the battery compartment.
Insert the 2 batteries supplied (Type LR6/AA-1.5V).

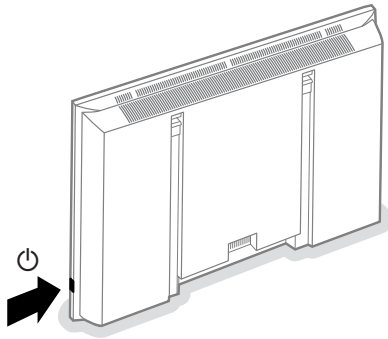


R6 / AA

The batteries supplied do not contain the heavy metals mercury and cadmium. Nevertheless in many countries batteries may not be disposed of with your household waste. Please check on how to dispose of batteries according to local regulations.

❸ Make sure that your receiver box and/or PC are switched on and that your PC is in the correct display mode.

❹ **Switch the monitor on** : Press the power button ⏻ at the right side of the monitor. A green indicator lights up and the screen comes on.



When the monitor does not receive a supported VGA signal and is not connected to a receiver box the screen switches to standby and the red indicator lights up.

When you switch on your monitor for the first time, and the monitor is not connected to a receiver box, the menu language automatically appears on the screen. The explanation appears in different languages one at a time.
Follow the instructions on screen to select the correct language or see Setup menu, Language, p. 6.

Use of the remote control

VGA
press repeatedly to select your computer connected to the **VGA 1** or **2** connector or to the **DVI-D** connector.

AV1, AV2, AV3
press to select the peripherals connected to the connector indicated on the monitor.

BRIGHTNESS +/-
to adjust the brightness level of the picture

CONTRAST +/-
to adjust the contrast level of the picture

ZOOM ON/OFF
to activate/de-activate the zoom function.
See p. 5.

ZOOM IN/OUT
to adjust the zoom factor and to change the magnification of the picture when zoom is activated. See p. 5.

⏻ to switch to standby or on again

MENU to switch the menu on/off

cursor buttons to select your choice and to alter a selected adjustment.

OK to activate your choice

◿ no function (except when in combination with a receiver box and a Home Cinema audio receiver)

🔇 no function (except when in combination with a receiver box and a Home Cinema audio receiver)

CH/PR Program selection
To browse through the sources selected.

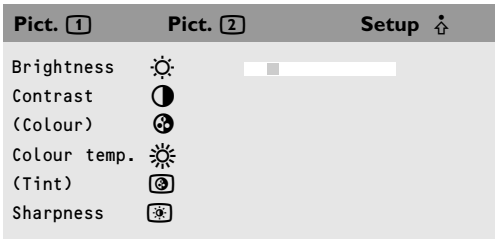
AV MUTE to mute the picture or restore it (if the monitor is used in monitor mode).
When activated a green indicator starts blinking in front of the monitor.

Picture format
See Picture 2 menu, p. 5.
Press the key to switch between the different picture formats.

On screen information

When the monitor is used in the monitor mode, information about the active source (**AV1, AV2, AV3, VGA1, VGA2** or **DVI-D**) and the supported video, VGA or HD-format of the selected source is displayed on the screen together with the selected picture format and icons informing about AV mute.

Use of the menus and the menu system



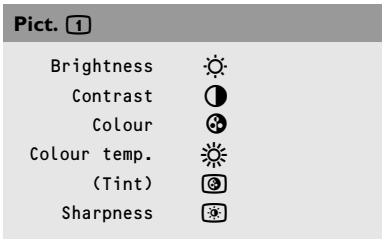
1. Press the **MENU** key on the remote control to summon the different menu headers.
2. Press the cursor left/right to move the cursor horizontally through the menu headers.
3. Press the cursor down to access the menu.
   In case of a slider, move the cursor left/right to adjust.

   In case of a list with options, move the cursor right to enter and use the cursor up/down to select an option.
   Press the cursor left to leave the options list.
4. Press the **MENU** key again to switch off the menu.

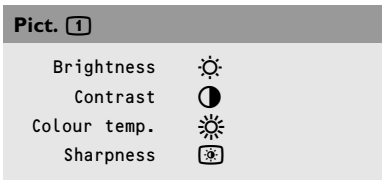
Note: Sometimes not all the menu items are visible on the screen.
Press the cursor down until all the items are displayed.

Only when the US English language has been selected (see Setup menu, Language, p. 6), the menu items will be displayed with additional icons.

SD video-mode



VGA-mode + HD video mode



Operation

Press the **MENU** key on the remote control to sun the main menu.

Picture 1 menu

Brightness
This control allows you to adjust the brightness level of the picture.

Contrast
This control allows you to adjust the contrast level of the picture.

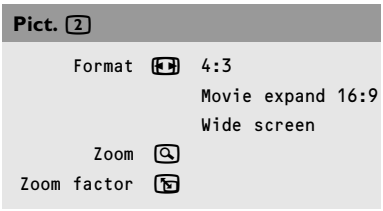
Colour *(only available when the source is **AV1**, **AV2** or **AV3 YCbCr**)*
This control allows you to adjust the saturation level of the colours to suit your personal preference.

Colour temperature
This control allows you to select the Colour temperature of the picture.
Move the cursor up/down to make a selection.
Press the cursor left to return to the Picture 1 menu.

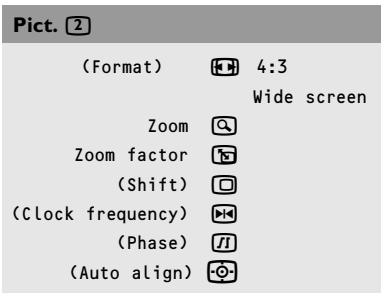
Tint *(only with NTSC signals and when the source is **AV1** or **AV2**)*
This control allows you to compensate for the Colour variations in NTSC encoded transmissions.

Sharpness
This control allows you to adjust the edge definition of a picture.

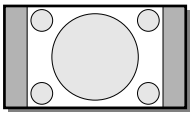
SD video-mode



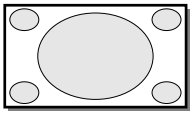
VGA-mode + HD video mode



4:3 VGA-mode

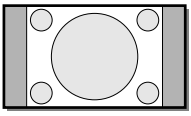


4:3

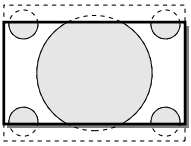


Wide screen

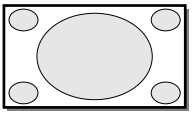
SD video-mode



4:3



Movie expand 16:9



Wide screen

Picture 2 menu

Format *(only available in 4:3 VGA mode and SD video mode)*
Select **Format** to summon a list of **available** display formats.
Press the cursor up/down to select another display format: 4:3, Movie Expand 16:9 or Wide screen.

Note: Movie Expand 16:9 is not available in VGA mode.

Zoom
Select **Zoom On** to activate the zoom function.
You may also activate the zoom function with the **ZOOM ON/OFF** key on the remote control.
If no zoom is active, press the cursor left/right, up/down to select which part of the screen will be zoomed.

Zoom factor
Select **Zoom factor** and press the cursor left/right to adjust the zoom factor and to change the magnification of the picture.
If zoom is not active changing the magnification factor will have no effect on the displayed picture.

Shift *(only available in VGA mode on VGA 1 or VGA 2 and in one of the HD modes. See Connect Peripheral equipment, p. 7.)*

This control allows you, when necessary, to move the picture in a horizontal or vertical way.

1. Use the cursor left/right, up/down to adjust.
2. Press the **OK** key when done.

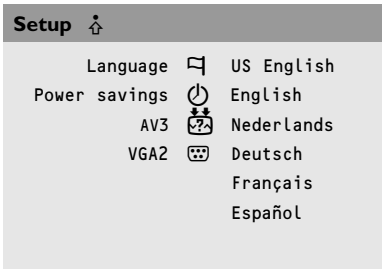
Clock frequency *(only available in VGA mode on VGA 1 or VGA 2. See Connect Peripheral equipment, p. 7.)*
This control allows you, when necessary, to adjust the values of the clock frequency so that especially text can be displayed with an optimal overall sharpness.
Use the cursor left/right to adjust.

Phase *(only available in VGA mode on VGA 1 or VGA 2. See Connect Peripheral equipment, p. 7.)*

This control allows you, when necessary, to adjust the pixel phase of the picture to avoid picture interference.
Use the cursor left/right to adjust.

Auto align *(only available in VGA mode on VGA1 or VGA2 and in one of the HD modes. See Connect Peripheral Equipment, p. 7.)*

This control allows you to automatically adjust the shift, the clock frequency and the phase in VGA mode and the shift in HD modes.
Press **OK** to execute.



Setup menu

Language

1. Use the cursor down to select **Language**.
2. Press the cursor right to enter the list of selectable languages.
3. Use the cursor up/down to scroll through the list and to bring up other languages which are not displayed on the screen at present.
   Note: Only with the US English language, the menu items will be displayed with additional icons.

Power savings

This control allows you to overrule the automatic power savings feature.
In case **Power savings** is switched **Off**, the power always remains on until the monitor is forced to standby.

1. Use the cursor down to select **Power savings**.
2. Press the cursor left/right to select **On** or **Off**.

AV3

This control allows you to set the **AV3** input to HD-RGB, YCbCr or HD-YPbPr. When having selected **Auto**, the monitor makes the selection automatically between YCbCr, HD-YPbPr or HD-RGB.
See also p. 7, Equipment with Component Video Output connectors.

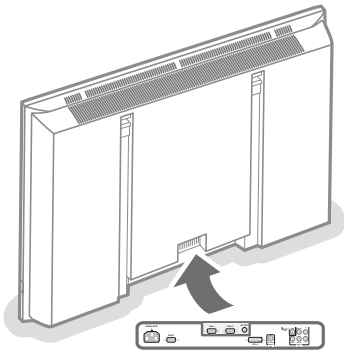
1. Use the cursor down to select **AV3**.
2. Press the cursor right to enter the list with options.
3. Press the cursor up/down to select one of the options.

VGA 2

This control allows you to select whether to set the VGA 2 connector as input, output or even HD-input.

1. Use the cursor down to select **VGA 2**.
2. Press the cursor right to enter the list with options: **VGA IN, VGA OUT** or **HD IN.**
3. Press the cursor up/down to select one of the options.
   Note: AV3 and VGA 2 will not be available in VGA loop through mode, i.e. when a receiver box is connected to the monitor and a VGA source is selected.

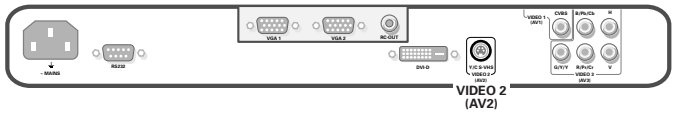
Connect peripheral equipment



You may connect 3 possible VGA sources (**VGA 1**, **VGA 2** or **DVI-D**) and 3 possible video sources (**VIDEO 1 (AV1)**, **VIDEO 2 (AV2)** and **VIDEO 3 (AV3)**) to the monitor.
The following diagrams show you where you can connect your peripheral equipment.

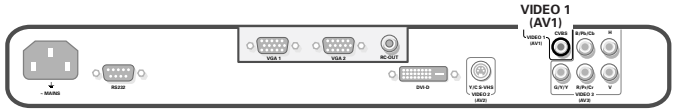
Note: in case the monitor is operating in combination with a receiver box, the VGA and video inputs on the monitor will be disabled and the VGA 2 connector becomes an output.

Equipment with Y/C-SVHS output connectors



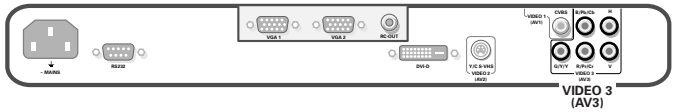
Connect the video cable to the **Y/C S-VHS VIDEO 2 (AV2)** connector.

Equipment with CVBS output connectors



Connect the video cable to the **CVBS VIDEO 1 (AV1)** connector.

Equipment with Component Video Output connectors



Note: VIDEO 3 (AV3) can handle the following video signals: YCbCr, HD-PbPr and HD-RGB. The discrimination between the various input formats and the appropriate video processing is done automatically. It is however possible to overrule the automatic detection. See Setup menu, p. 6.

1. Connect the video cables of your equipment with YPbPr output with composite sync on Y, or of your equipment with YCbCr output with composite sync on Y to the YPbPr, resp. YCbCr input **VIDEO 3 (AV3) IN** sockets of the monitor.
2. Connect the video cables of your equipment with RGB output with separate Horizontal and Vertical sync to the RGB input sockets and to the H and V sockets **VIDEO 3 (AV3)** of the monitor.

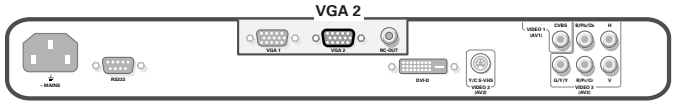
Note: when High Definition signals are inputted to the monitor via the YPbPr/RGB input, the monitor switches to the HD Video Mode.
The following HD and ED video modes are supported by the monitor on the YPbPr, RGB and VGA 2 HD input:

1920x1080/60I 720x480/60P
1280x720/60P 720x576/50P

The following SD video modes are supported by the monitor on the YCbCr input:

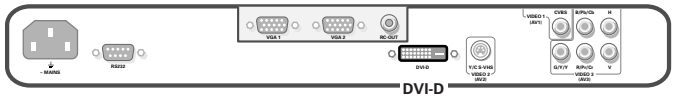
720x480/60I
720x576/50I

High Definition equipment with VGA connector



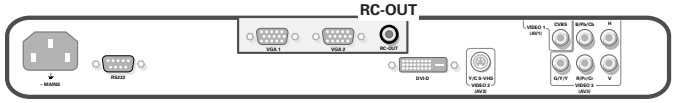
Connect the VGA output of your equipment to the **VGA2** connector.

Digital DVI output of your PC (DVI-D)



Connect the Digital DVI output of your PC to the **DVI-D** connector.

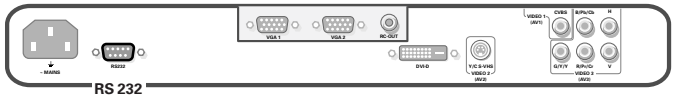
RC out connector



This connector allows you to daisy chain remote control signals to other equipment (e.g. AV receiver, IR repeater) which have an electrical RC in.

Note: it is not possible to daisy chain a second monitor.

Serial I/O port RS232



The RS232 connector is only to be used with the monitor as stand alone.
This connector allows you to control the monitor via your PC (as a replacement of the remote control).

Note: This connector can also be used for dealer service tools.

Tips

Ambient temperature
Do not hang up the monitor above a central heating or other heating sources.

Care of the screen
Clean the anti-reflex coated flat glass screen with a slightly damp soft cloth. Do not use abrasives solvents as it can damage the glass surface of the screen.

Plasma Display characteristics
Caution: A video source (such as a video game, DVD, or video information channel) which shows a constant non-moving pattern on the monitor screen, can cause damage to the screen. When your Flat-Monitor is continuously used with such a source, the pattern of the non-moving portion of the game (DVD, etc.) could leave an image permanently on the screen. When not in use, turn the video source **OFF**.
Regularly alternate the use of such video sources with normal viewing.
When switching over to another picture after having displayed the same still picture for a long time (many hours), it may happen that some parts from the previous picture will remain on screen due to a kind of memory effect. This ghost picture will disappear after some time. To avoid this effect change the pictures regularly or for PC use you can turn on a screen saver in your computer.
Philips has built in an automatic shift of the picture in video mode every 5 minutes to avoid this effect and to prolong the life of the screen.
Very incidentally and after a longer period of unuse (approx. 1 year) the screen may display some strange colour deficiencies. This is quite normal for plasma displays and these effects will disappear after the set has been turned on for some time.
A plasma display consists of a high number of colour pixels. It is within industry standards that very few pixels (< 0.001%) may be defective, even for a new set. There is however no reason to doubt about the quality of the set.
The plasma display technology operates with rare gases which are being influenced by air pressure.
Up to an altitude of 2000 m above sea-level (local air pressure equal or above 800 hPa), the display is functioning fine. Operating the set at a higher altitude (lower air pressure), the picture becomes unstable and the picture performance is deteriorating. The plasma display might then also produce a humming sound. Bringing the set below 2000 m (local air pressure equal or above 800 hPa) it works fine again. Transportation has no influence.

Control of peripheral equipment
The infrared radiation of the screen may influence the reception sensitivity of other peripherals. Solution: replace the batteries of the remote control or change position of other equipment. E.g. keep away a wireless headphone from within a radius of 1,5 m.

No stable or not synchronised VGA picture
Check if you have selected the correct display mode in your PC. See p. 2, Computer display modes.

No picture
Are the supplied cables connected properly? (The power cable to the display, the VGA cables,...)
Is your PC switched on?
Do you see a black screen and the indicator in front of the monitor lights up green, this means that the display mode is not supported.
Switch your VGA source to a correct mode.

Remote control
If your monitor no longer responds to the remote control, the batteries may be exhausted.

If your problem is not solved:
Switch your monitor off and then on again.
Never attempt to repair a defective monitor yourself.
Check with your dealer or call a video technician.

Transport
Keep the original packaging to transport the monitor if needed.

End of life directives
Philips is paying a lot of attention to produce environmentally-friendly in green focal areas. Your new monitor contains materials which can be recycled and reused.
At the end of its life specialised companies can dismantle the discarded monitor to concentrate the reusable materials and to minimise the amount of materials to be disposed of.
Please ensure you dispose of your old monitor according to local regulations.

How to dispose of batteries?
The batteries supplied do not contain the heavy metals mercury and cadmium. Nevertheless in many countries batteries may not be disposed of with your household waste. Please ensure you dispose of batteries according to local regulations.

Miscellaneous
. Ambient temperature: + 5~ + 40°C
. Maximum operating altitude: 2000 m /6562 ft (min. air pressure 800 hPa)
. Mains: AC 95-264V 50Hz/60Hz
. Power consumption: around 290W
. Standby consumption: < 2W
. Weight (excl. packaging) Display: 35 kg
. Dimensions (wxhxd): Display: 107 x 66 x 9 cm
. Wall mounting bracket included